

SEQUENCE LISTING

<110> NG, LEONG

<120> BODILY FLUID MARKERS OF TISSUE HYPOXIA

<130> ISA-012.01

<140> 10/719,695

<141> 2003-11-21

<150> GB 0322390.6

<151> 2003-09-24

<150> GB 0227179.9

<151> 2002-11-21

<160> 5

<170> PatentIn Ver. 3.3

<210> 1

<211> 999

<212> PRT

<213> Homo sapiens

<400> 1

Met	Ala	Asp	Lys	Val	Arg	Arg	Gln	Arg	Pro	Arg	Arg	Arg	Val	Cys	Trp
1				5					10					15	

Ala	Leu	Val	Ala	Val	Leu	Leu	Ala	Asp	Leu	Leu	Ala	Leu	Ser	Asp	Thr
			20					25					30		

Leu	Ala	Val	Met	Ser	Val	Asp	Leu	Gly	Ser	Glu	Ser	Met	Lys	Val	Ala
		35					40					45			

Ile	Val	Lys	Pro	Gly	Val	Pro	Met	Glu	Ile	Val	Leu	Asn	Lys	Glu	Ser
	50					55					60				

Arg	Arg	Lys	Thr	Pro	Val	Ile	Val	Thr	Leu	Lys	Glu	Asn	Glu	Arg	Phe
65					70					75					80

Phe	Gly	Asp	Ser	Ala	Ala	Ser	Met	Ala	Ile	Lys	Asn	Pro	Lys	Ala	Thr
				85					90					95	

Leu	Arg	Tyr	Phe	Gln	His	Leu	Leu	Gly	Lys	Gln	Ala	Asp	Asn	Pro	His
			100					105					110		

Val	Ala	Leu	Tyr	Gln	Ala	Arg	Phe	Pro	Glu	His	Glu	Leu	Thr	Phe	Asp
		115					120					125			

Pro	Gln	Arg	Gln	Thr	Val	His	Phe	Gln	Ile	Ser	Ser	Gln	Leu	Gln	Phe
	130					135					140				

Ser	Pro	Glu	Glu	Val	Leu	Gly	Met	Val	Leu	Asn	Tyr	Ser	Arg	Ser	Leu
145					150					155					160

Ala	Glu	Asp	Phe	Ala	Glu	Gln	Pro	Ile	Lys	Asp	Ala	Val	Ile	Thr	Val
				165					170					175	
Pro	Val	Phe	Phe	Asn	Gln	Ala	Glu	Arg	Arg	Ala	Val	Leu	Gln	Ala	Ala
				180				185					190		
Arg	Met	Ala	Gly	Leu	Lys	Val	Leu	Gln	Leu	Ile	Asn	Asp	Asn	Thr	Ala
		195					200					205			
Thr	Ala	Leu	Ser	Tyr	Gly	Val	Phe	Arg	Arg	Lys	Asp	Ile	Asn	Thr	Thr
	210					215					220				
Ala	Gln	Asn	Ile	Met	Phe	Tyr	Asp	Met	Gly	Ser	Gly	Ser	Thr	Val	Cys
225					230					235					240
Thr	Ile	Val	Thr	Tyr	Gln	Met	Val	Lys	Thr	Lys	Glu	Ala	Gly	Met	Gln
				245					250					255	
Pro	Gln	Leu	Gln	Ile	Arg	Gly	Val	Gly	Phe	Asp	Arg	Thr	Leu	Gly	Gly
			260					265					270		
Leu	Glu	Met	Glu	Leu	Arg	Leu	Arg	Glu	Arg	Leu	Ala	Gly	Leu	Phe	Asn
		275					280					285			
Glu	Gln	Arg	Lys	Gly	Gln	Arg	Ala	Lys	Asp	Val	Arg	Glu	Asn	Pro	Arg
		290				295					300				
Ala	Met	Ala	Lys	Leu	Leu	Arg	Glu	Ala	Asn	Arg	Leu	Lys	Thr	Val	Leu
305					310					315					320
Ser	Ala	Asn	Ala	Asp	His	Met	Ala	Gln	Ile	Glu	Gly	Leu	Met	Asp	Asp
				325					330					335	
Val	Asp	Phe	Lys	Ala	Lys	Val	Thr	Arg	Val	Glu	Phe	Glu	Glu	Leu	Cys
			340					345					350		
Ala	Asp	Leu	Phe	Glu	Arg	Val	Pro	Gly	Pro	Val	Gln	Gln	Ala	Leu	Gln
		355					360					365			
Ser	Ala	Glu	Met	Ser	Leu	Asp	Glu	Ile	Glu	Gln	Val	Ile	Leu	Val	Gly
		370				375					380				
Gly	Ala	Thr	Arg	Val	Pro	Arg	Val	Gln	Glu	Val	Leu	Leu	Lys	Ala	Val
385					390					395					400
Gly	Lys	Glu	Glu	Leu	Gly	Lys	Asn	Ile	Asn	Ala	Asp	Glu	Ala	Ala	Ala
				405					410					415	
Met	Gly	Ala	Val	Tyr	Gln	Ala	Ala	Ala	Leu	Ser	Lys	Ala	Phe	Lys	Val
			420					425					430		
Lys	Pro	Phe	Val	Val	Arg	Asp	Ala	Val	Val	Tyr	Pro	Ile	Leu	Val	Glu
		435					440					445			
Phe	Thr	Arg	Glu	Val	Glu	Glu	Glu	Pro	Gly	Ile	His	Ser	Leu	Lys	His
						455					460				

Asn 465	Lys	Arg	Val	Leu	Phe 470	Ser	Arg	Met	Gly	Pro 475	Tyr	Pro	Gln	Arg	Lys 480
Val	Ile	Thr	Phe	Asn 485	Arg	Tyr	Ser	His	Asp 490	Phe	Asn	Phe	His	Ile 495	Asn
Tyr	Gly	Asp	Leu 500	Gly	Phe	Leu	Gly	Pro 505	Glu	Asp	Leu	Arg	Val 510	Phe	Gly
Ser	Gln	Asn 515	Leu	Thr	Thr	Val	Lys 520	Leu	Lys	Gly	Val	Gly 525	Asp	Ser	Phe
Lys 530	Lys	Tyr	Pro	Asp	Tyr	Glu 535	Ser	Lys	Gly	Ile	Lys 540	Ala	His	Phe	Asn
Leu 545	Asp	Glu	Ser	Gly	Val 550	Leu	Ser	Leu	Asp	Arg 555	Val	Glu	Ser	Val	Phe 560
Glu	Thr	Leu	Val	Glu 565	Asp	Ser	Ala	Glu	Glu 570	Glu	Ser	Thr	Leu	Thr 575	Lys
Leu	Gly	Asn 580	Thr	Ile	Ser	Ser	Leu	Phe 585	Gly	Gly	Gly	Thr	Thr 590	Pro	Asp
Ala	Lys	Glu 595	Asn	Gly	Thr	Asp	Thr 600	Val	Gln	Glu	Glu	Glu 605	Glu	Ser	Pro
Ala 610	Glu	Gly	Ser	Lys	Asp	Glu 615	Pro	Gly	Glu	Gln 620	Val	Glu	Leu	Lys	Glu
Glu 625	Ala	Glu	Ala	Pro	Val 630	Glu	Asp	Gly	Ser	Gln 635	Pro	Pro	Pro	Pro	Glu 640
Pro	Lys	Gly	Asp	Ala 645	Thr	Pro	Glu	Gly	Glu 650	Lys	Ala	Thr	Glu	Lys 655	Glu
Asn	Gly	Asp	Lys 660	Ser	Glu	Ala	Gln	Lys 665	Pro	Ser	Glu	Lys	Ala 670	Glu	Ala
Gly	Pro	Glu 675	Gly	Val	Ala	Pro	Ala 680	Pro	Glu	Gly	Glu	Lys 685	Lys	Gln	Lys
Pro 690	Ala	Arg	Lys	Arg	Arg	Met 695	Val	Glu	Glu	Ile	Gly 700	Val	Glu	Leu	Val
Val 705	Leu	Asp	Leu	Pro	Asp 710	Leu	Pro	Glu	Asp	Lys 715	Leu	Ala	Gln	Ser	Val 720
Gln	Lys	Leu	Gln	Asp 725	Leu	Thr	Leu	Arg	Asp 730	Leu	Glu	Lys	Gln	Glu 735	Arg
Glu	Lys	Ala	Ala 740	Asn	Ser	Leu	Glu	Ala 745	Phe	Ile	Phe	Glu	Thr 750	Gln	Asp
Lys	Leu	Tyr 755	Gln	Pro	Glu	Tyr	Gln 760	Glu	Val	Ser	Thr	Glu 765	Glu	Gln	Arg

Glu Glu Ile Ser Gly Lys Leu Ser Ala Ala Ser Thr Trp Leu Glu Asp
 770 775 780
 Glu Gly Val Gly Ala Thr Thr Val Met Leu Lys Glu Lys Leu Ala Glu
 785 790 795 800
 Leu Arg Lys Leu Cys Gln Gly Leu Phe Phe Arg Val Glu Glu Arg Lys
 805 810 815
 Lys Trp Pro Glu Arg Leu Ser Ala Leu Asp Asn Leu Leu Asn His Ser
 820 825 830
 Ser Met Phe Leu Lys Gly Ala Arg Leu Ile Pro Glu Met Asp Gln Ile
 835 840 845
 Phe Thr Glu Val Glu Met Thr Thr Leu Glu Lys Val Ile Asn Glu Thr
 850 855 860
 Trp Ala Trp Lys Asn Ala Thr Leu Ala Glu Gln Ala Lys Leu Pro Ala
 865 870 875 880
 Thr Glu Lys Pro Val Leu Leu Ser Lys Asp Ile Glu Ala Lys Met Met
 885 890 895
 Ala Leu Asp Arg Glu Val Gln Tyr Leu Leu Asn Lys Ala Lys Phe Thr
 900 905 910
 Lys Pro Arg Pro Arg Pro Lys Asp Lys Asn Gly Thr Arg Ala Glu Pro
 915 920 925
 Pro Leu Asn Ala Ser Ala Ser Asp Gln Gly Glu Lys Val Ile Pro Pro
 930 935 940
 Ala Gly Gln Thr Glu Asp Ala Glu Pro Ile Ser Glu Pro Glu Lys Val
 945 950 955 960
 Glu Thr Gly Ser Glu Pro Gly Asp Thr Glu Pro Leu Glu Leu Gly Gly
 965 970 975
 Pro Gly Ala Glu Pro Glu Gln Lys Glu Gln Ser Thr Gly Gln Lys Arg
 980 985 990
 Pro Leu Lys Asn Asp Glu Leu
 995

<210> 2
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 2
 Leu Ala Val Met Ser Val Asp Leu Gly Ser Glu Ser Met
 1 5 10

